

## Abstract

The present invention is to provide a preparation device of polyester which can prepare polymers having a high degree of polymerization efficiently using a simpler construction. A polycondensating reactor 2 in which the dicarboxylic acid and the diol are polycondensated under a normal pressure by adding a catalyst having a hydrophobic property, wherein a separating device 10, which separates the organic solvent and water that are distilled from the reactor 2, and fluxes the organic solvent, is attached to the reactor 2. At this time, water, generated during the polycondensation, is captured in the organic solvent without re-approaching polyester that is generated through the reaction in the active center of the catalyst; therefore, it is possible to suppress the hydrolytic reaction of the generated polyester. Consequently, it is possible to allow the polycondensation to further progress even under a normal pressure. Thus, the simpler construction comprising of the polycondensating reactor 2 under a normal pressure, and a separator 10 such as a decanter, enables to prepare the polymer containing high degree of polymerization.